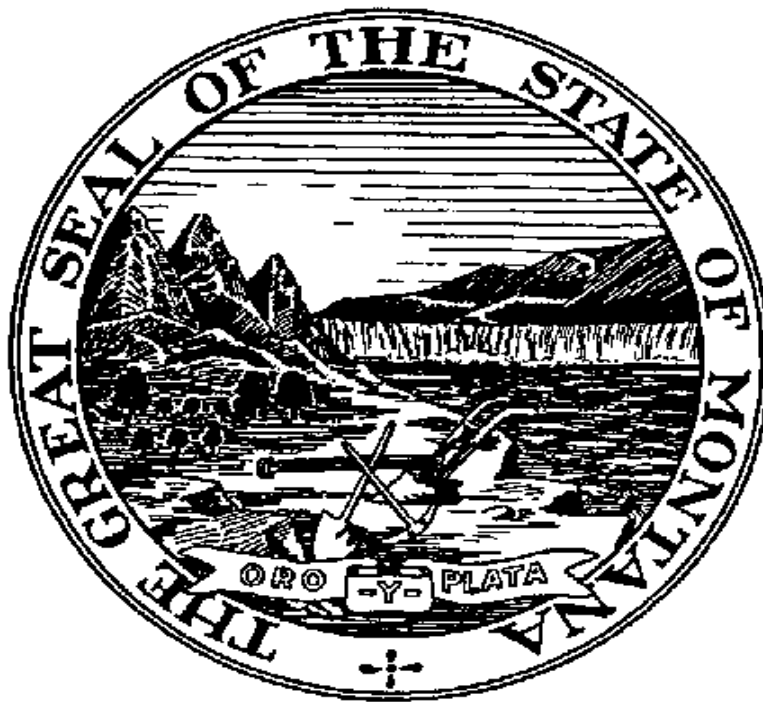


**2007**

**Montana Commercial  
Feed / Fertilizer Report**



Ron de Yong, Director  
Greg Ames, Administrator  
Volume 54, 2007

# License & Registration Totals

## Feed Program

Issued as of:

	<u>7/04</u>	<u>8/05</u>	<u>12/06</u>	<u>12/07</u>	<u>7/08</u>
Feed Licenses	629	651	667	682	686
Companies w/ Registrations	145	162	193	208	212
Pet Food Registrations	3382	4076	4393	4990	5261

## Fertilizer Program

Issued as of:

	<u>8/04</u>	<u>8/05</u>	<u>12/06</u>	<u>12/07</u>	<u>7/08</u>
Fertilizer Licenses	249	237	256	279	288
Fertilizer Registrations -					
Companies	190	212	238	253	260
Specialty Products	1417	1380	1607	1818	1810
Commercial Fertilizers	357	360	433	608	591
Soil Amendments	202	249	291	326	327

## Feed Sample and Analyte History

Year	Samples Taken	Out of Tolerance	% Out of Tolerance
1986	290	50	17.2
1987	265	60	22.6
1988	280	57	20.4
1989	293	50	17.1
1990	310	54	17.4
1991	241	43	17.8
1992	335	76	22.7
1993	272	71	26.1
1994	312	89	28.5
1995	237	38	16.0
1996	235	77	32.8
1997	264	99	37.5
1998	296	125	42.2
1999	286	88	30.8
2000	266	71	26.7
2001	289	90	31.1
2002	258	87	33.7
2003	257	38	14.8
2004	267	37	13.9
FY 2005*	301	67	22.3
FY 2006	319	58	18.2
FY 2007	327	61	18.7
FY 2008	330	45	13.6

\* 22 additional samples analyzed for animal tissue only

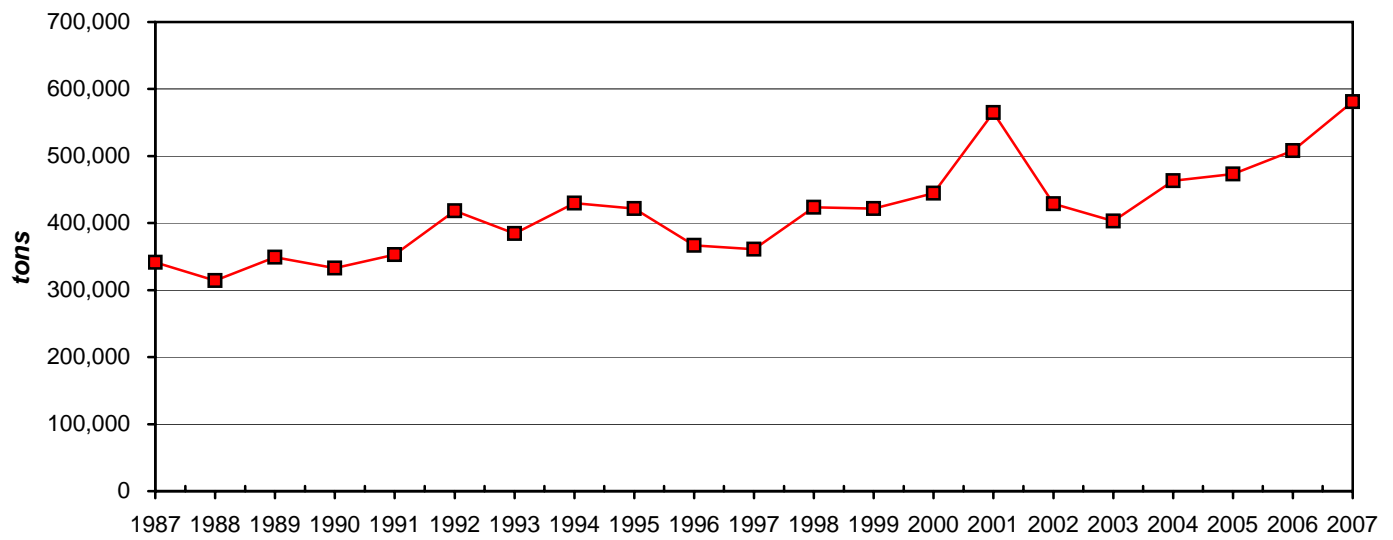
## FY 2008 Feed Analyte Breakdown

Nutrient	Number of Analyses	Out of Tolerance	% Out of Tolerance
Protein	295	13	4.4
NPN	5	0	0
Fiber	42	1	2.4
Fat	87	3	3.4
Moisture	54	0	0
Calcium	249	8	3.2
Phosphorus	250	5	2
Salt	175	16	9.1
Vitamin A	132	4	3
Magnesium	41	1	2.4
Potassium	82	1	1.2
Zinc	126	2	1.6
Iron	22	0	0
Selenium	158	4	2.5
Copper	83	0	0
Manganese	41	0	0
Sodium	38	0	0
Lysine	77	0	0
Methionine	31	0	0
Amprolium	5	0	0
Chlortetracycline	12	0	0
Lasalocid	10	0	0
Oxtetracycline	3	0	0
Monensin	23	0	0
Sulfamethazine	7	0	0
Total	2048	58	2.8

**MONTANA COMMERCIAL FEED REPORTED  
2007**

Formula Feeds			Tons	Feed Ingredients		Tons
Broiler Feeds	Complete		296	Alfalfa Products		8,087
	Supplement		74	Animal Products		
Turkey Feeds	Complete		1,106	Barley Products		5,082
	Supplement		1,260	Beet Products		116,743
Starter / Grower	Complete		237	Brewer Products		12,733
	Supplement		248	Canola Products		8,591
Layer / Breeder	Complete		2,807	Cottonseed Products		2
	Supplement		2,073	Drug Products		469
Beef Feeds	Complete		109,510	Fats & Oils		735
	Supplement		52,159	Linseed Products		678
Dairy Feeds	Complete		7,667	Maize Products		33,953
	Supplement		9,388	Marine Products		188
Swine Feeds	Complete		3,372	Meat Products		125
	Supplement		3,250	Milk Products		210
Sheep Feeds	Complete		3,303	Mineral Products		38,295
	Supplement		1,679	Molasses		24,431
Horse Feeds	Complete		9,482	Oat Products		470
	Supplement		1,453	Probiotic/Yeast		106
Mineral Feeds			7,891	Safflower Products		4,099
Rabbit Feeds			734	Soybean Products		24,062
Mineralized Salt			2,644	Sunflower Products		2,663
Miscellaneous			13,055	Urea		6
				Vitamin Products		373
				Wheat Products		60,120
				Misc. Ingredients		5,119
Formula Feeds Total			233,688	Feed Ingredients Total		347,340
Total Commercial Feed: 581,028 tons						

## Feed Tonnage History



<i>Year</i>	<i>Tonnage</i>
1987	341,579
1988	314,336
1989	349,280
1990	332,997
1991	352,762
1992	418,090
1993	384,607
1994	429,600
1995	421,846
1996	366,756
1997	360,971
1998	423,573
1999	421,607
2000	444,344
2001	565,070
2002	428,639
2003	402,973
2004	462,953
2005	472,997
2006	508,097
2007	581,028

## Fertilizer Sample and Analyte History

Year	Number of Samples Taken	Number of Samples Deficient	Percent Samples Deficient
1992	107	21	19.6
1993	89	18	20.2
1994	172	21	12.2
1995	216	31	14.4
1996	208	23	11.1
1997	124	18	14.5
1998	172	27	15.7
1999	215	31	14.4
2000	215	37	17.2
2001	222	26	11.7
2002	220	26	11.8
2003	218	27	12.4
2004	214	24	11.2
FY2005	221	24	10.9
FY2006	205	21	10.2
FY2007	216	20	9.3
FY2008	219	19	8.7

## FY 2008 Fertilizer Analyte Breakdown

Nutrient	Number Analyzed	Number Deficient	Percent Deficient
Nitrogen	185	6	3.2
Phosphate	126	9	7.1
Potash	78	5	6.4
Calcium	2	0	0
Sulfur	42	2	4.8
Copper	4	0	0
Iron	4	0	0
Manganese	4	0	0
Magnesium	2	0	0
Zinc	5	0	0
Arsenic*	32	0	0
Cadmium*	32	0	0
Lead*	32	0	0
Total	548	22	4.0

\* Trace metals tested for maximum level allowed

MONTANA DEPARTMENT OF AGRICULTURE  
FERTILIZER SOLD IN MONTANA  
FOR THE YEAR 2007

FERTILIZER	JAN.-JUN. 2007	JULY-DEC. 2007	YEARLY TOTALS
Anhydrous Ammonia	6,170	6,330	12,500
Ammonium Nitrate	12,280	4,016	16,296
Ammonium Sulfate	26,814	13,323	40,137
Urea	173,197	123,196	296,393
Ammonium Thiosulfate	735	213	948
Nitrogen Sols. 32%	4,276	1,298	5,574
Nitrogen Sols. 28%	15,853	5,005	20,858
Phosphorus Material	4	90	94
Potash Material	23,491	15,675	39,166
Sulfur	1,382	838	2,220
DAP	8,786	1,654	10,440
MAP	79,266	75,387	154,653
APS 16-20-0	11,827	7,348	19,175
10-34-0	3,127	2,243	5,370
OTHER BLENDS	2,310	4,703	7,013
MICRONUTRIENTS	607	735	1,342
GYPSUM/LIME	342	187	529
COMPOST	2,180	9,382	11,562
TOTALS	372,647	271,623	644,270

FRTNPK07

TOTAL NITROGEN	113,399	78,797	192,197
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TOTAL P2O5	49,383	43,647	93,030
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TOTAL K2O	14,095	9,405	23,500
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MONTANA DEPARTMENT OF AGRICULTURE  
FERTILIZER SOLD IN MONTANA  
Reported by Montana Agricultural Statistic Districts

JANUARY - JUNE 2007

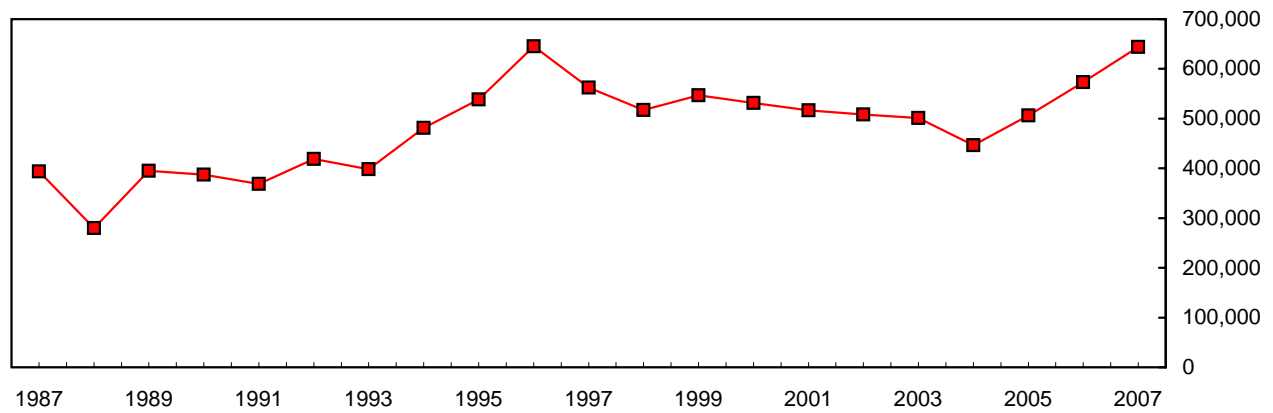
FERTILIZER	NORTH WEST	SOUTH WEST	NORTH CENTRAL	CENTRAL	SOUTH CENTRAL	NORTH EAST	SOUTH EAST	TOTAL
Anhydrous Ammonia	44	0	1166	424	0	4263	273	6,170
Ammonium Nitrate	510	8170	880	0	1855	0	865	12,280
Ammonium Sulfate	2766	4726	5256	5173	3065	5679	149	26,814
Urea	5534	7016	65024	39910	14707	37862	3144	173,197
Ammonium Thiosulfate	0	30	143	490	66	6	0	735
Nitrogen Sols. 32%	112	428	1113	718	1897	0	8	4,276
Nitrogen Sols. 28%	30	624	9204	1182	562	4216	35	15,853
Phosphorus Material	0	0	0	0	0	0	4	4
Potash Material	2562	2799	7494	5152	2433	2489	562	23,491
Sulfur	118	89	81	482	89	523	0	1,382
DAP	302	1007	557	412	656	4271	1581	8,786
MAP	2157	5534	26241	14999	5935	22310	2090	79,266
APS 16-20-0	1479	2982	2560	1855	715	1457	779	11,827
10-34-0	0	157	1209	758	340	656	7	3,127
OTHER BLENDS	35	69	247	1343	58	339	219	2,310
MICRONUTRIENTS	46	30	352	79	70	8	22	607
GYP SUM/LIME	303	0	0	27	7	4	1	342
COMPOST	2171	0	0	4	0	0	5	2,180
TOTALS	18,169	33,661	121,527	73,008	32,455	84,083	9,744	372,647

JULY - DECEMBER 2007

FERTILIZER	NORTH WEST	SOUTH WEST	NORTH CENTRAL	CENTRAL	SOUTH CENTRAL	NORTH EAST	SOUTH EAST	TOTAL
Anhydrous Ammonia	0	0	1230	703	0	4139	258	6,330
Ammonium Nitrate	1469	139	1526	382	500	0	0	4,016
Ammonium Sulfate	405	1450	4472	4140	1691	1029	136	13,323
Urea	385	2260	49639	30033	15387	24036	1456	123,196
Ammonium Thiosulfate	0	13	77	113	0	10	0	213
Nitrogen Sols. 32%	62	39	317	357	523	0	0	1,298
Nitrogen Sols. 28%	0	295	2535	1067	42	1035	31	5,005
Phosphorus Material	0	0	0	90	0	0	0	90
Potash Material	841	628	6210	4627	1981	1208	180	15,675
Sulfur	29	14	41	382	159	213	0	838
DAP	95	351	135	133	77	863	0	1,654
MAP	782	838	33938	20044	9184	9069	1532	75,387
APS 16-20-0	642	48	3090	2154	585	474	355	7,348
10-34-0	0	113	1250	71	137	672	0	2,243
OTHER BLENDS	3	0	120	3818	0	465	297	4,703
MICRONUTRIENTS	5	21	579	51	71	7	1	735
GYP SUM/LIME	146	0	9	22	1	6	3	187
COMPOST	9382	0	0	0	0	0	0	9,382
TOTALS	14,246	6,209	105,168	68,187	30,338	43,226	4,249	271,623



## Fertilizer Tonnage History



Year	Tonnage
1987	393,505
1988	279,616
1989	395,033
1990	387,583
1991	368,868
1992	418,982
1993	397,957
1994	481,300
1995	538,356
1996	645,344
1997	562,292
1998	517,388
1999	546,943
2000	531,414
2001	516,873
2002	508,028
2003	500,941
2004	446,368
2005	506,409
2006	573,110
2007	644,270

## **IMPORTANT NOTICE**

In an effort to reduce paper usage and save on expenses, this is the last year that the Montana Commercial Feed and Fertilizer Report will be mailed to subscribers. Starting this year the report will be posted on the Department's webpage at [www.agr.mt.gov](http://www.agr.mt.gov).

If you have any questions or comments please contact the department at:

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